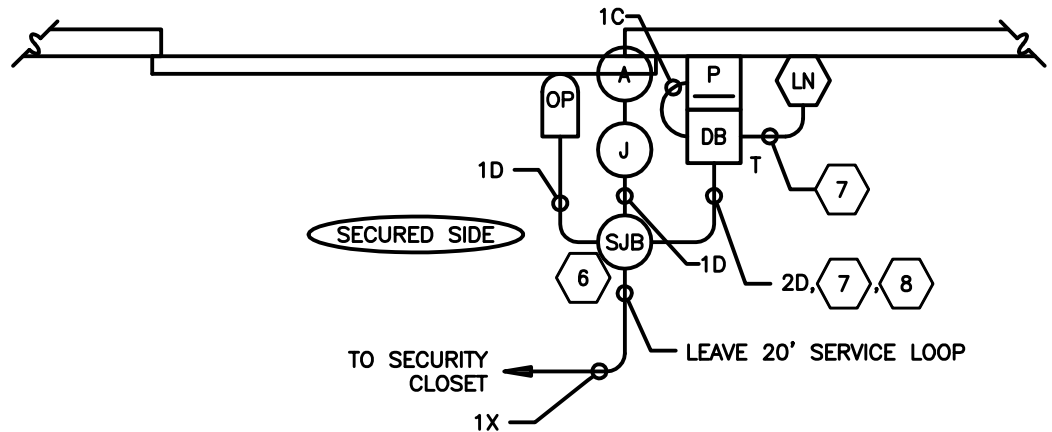


# SYMBOLS LIST

<b>(A)</b>	ALARM CONTACT
<b>[P]</b>	CARD READER, PROXIMITY
<b>[OP]</b>	ROLL-UP DOOR OPERATOR
<b>(J)</b>	JUNCTION BOX
<b>[DB]</b>	JUNCTION BOX w/ DOOR BOARD
<b>(LN)</b>	LOCAL NOISE, SIREN & PIEZO
<b>(SJB)</b>	SECURITY JUNCTION BOX



## OPERATION

IN THE NORMAL STATE, THE ROLL-UP DOOR IS CLOSED AND LOCKED. EACH TIME A VALID CARD READ OCCURS, THE ROLL-UP DOOR WILL TOGGLE FROM CLOSED TO OPEN OR FROM OPEN TO CLOSED BASED ON THE CURRENT POSITION OF THE ROLL-UP DOOR. IF THE ROLL-UP DOOR IS FORCED OPEN AN ALARM WILL BE GENERATED. IF THE ROLL-UP DOOR IS HELD PAST THE PRESET OPEN TIME, A PIEZO PRE ALARM WARNING WILL SOUND A WARNING UNTIL IT IS CLOSED. IF THE ROLL-UP DOOR IS LEFT OPEN, OR IS FORCED OPEN, A SIREN WILL SOUND UNTIL IT IS CLOSED. IF THE DOOR BOARD JUNCTION BOX COVER IS OPENED, A TAMPER ALARM WILL BE GENERATED.

## DIAGRAM NOTES

1. IF USING OTHER DOOR HARDWARE MANUFACTURER, SUBMIT DOCUMENTATION TO SHOW FUNCTIONAL AND OPERATIONAL EQUIVALENCY.
2. THIS DRAWING IS FOR DIAGRAMMATIC PURPOSES ONLY. FOR ACTUAL HANDING AND SWING, REFERENCE FLOOR PLANS.
3. HARDWARE SUPPLIED THROUGH THE ARCHITECT'S SPECIFICATIONS.
4. DOOR CONTACT SUPPLIED THROUGH SECURITY CONTRACT.
5. FOR RATED ASSEMBLIES, THE DOOR AND FRAME MUST BE FACTORY PREPARED FOR ALL ELECTRIC HARDWARE AND SECURITY DEVICES.

- 6** THE WIRES IN THE INNER WHITE AND GREEN STRIPED JACKETED CABLE ARE SPARE.
- 7** USE THE INNER WHITE AND YELLOW STRIPED JACKETED CABLE FROM THE X CABLE. LAND COLOR CODED WIRES PER THE POINT-TO-POINT WIRING DIAGRAM AND SPARE OFF ANY UNUSED WIRES.
- 8** USE THE INNER WHITE AND PURPLE STRIPED JACKETED CABLE FROM THE X CABLE. LAND COLOR CODED WIRES PER THE POINT-TO-POINT WIRING DIAGRAM AND SPARE OFF ANY UNUSED WIRES.

**NP-1**

ROLL-UP DOOR, CARD READER TOGGLE ON/OFF  
ALARMED  
DIAGRAM

SCALE: N.T.S.

LBNL ELECTRICAL STANDARDS  
SECURITY CARD ACCESS NP-1  
ROLL-UP DOOR, CARD READER TOGGLE ON/OFF

UNIVERSITY OF CALIFORNIA LAWRENCE BERKELEY NATIONAL LABORATORY  
FACILITIES DIVISION

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SCALE	NTS
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SEC116A	NP-1
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